

Title (en)
Steering wheel for a vehicle, in particular a commercial vehicle

Title (de)
Lenkrad für ein Fahrzeug, insbesondere für ein Nutzfahrzeug

Title (fr)
Volant pour un véhicule, notamment pour un véhicule utilitaire

Publication
EP 2746134 B1 20150708 (DE)

Application
EP 13004244 A 20130828

Priority
DE 102012024793 A 20121219

Abstract (en)
[origin: EP2746134A1] The steering wheel (2) has a steering wheel hub (4) and an outer steering wheel rim (6), where the steering wheel hub comprises a hub-base element (7) at which another hub element is connected as an integral component of the steering wheel hub. The other hub element forms a flat bearing surface as blotting pad (11) in a displacement- or use position together with the hub-base element. The later hub element is a hub-pivot element (9) hinged pivotally at the hub base element by a pivot hinge connection (8).

IPC 8 full level
B62D 1/04 (2006.01); **B60N 3/00** (2006.01); **B62D 1/10** (2006.01)

CPC (source: EP)
B60N 3/005 (2013.01); **B62D 1/04** (2013.01); **B62D 1/10** (2013.01)

Citation (opposition)
Opponent : VOLVO TRUCK CORPORATION
• JP S60142163 U 19850920
• DE 3405981 A1 19850822 - IVECO MAGIRUS [DE]
• DE 4410485 C1 19950427 - DAIMLER BENZ AG [DE]
• JP S61142673 U 19860903
• US 3937101 A 19760210 - WADE HENRY M
• US 4995637 A 19910226 - MURAISHI NOBORU [US]
• US 2650836 A 19530901 - FRANK BERMAN
• US 4974805 A 19901204 - DOUGLAS CAMERON F [US]
• US 2012211534 A1 20120823 - HAKE FRANK [US]
• US 2006175520 A1 20060810 - COOPER DAVID T [US]
• DE 4344079 C1 19941222 - DAIMLER BENZ AG [DE]
• US 2749655 A 19560612 - ASHTON EARL D
• US 3011802 A 19611205 - ACKERMAN EUGENE L
• US 4166559 A 19790904 - RICHARDSON KENNETH [GB]
• US 5386785 A 19950207 - NAOR PETER [US]
• US 6038983 A 20000321 - LENDL WILHELM [DE]
• US 2002073899 A1 20020620 - CHEN ZHONG YU [US]
• US 2004094677 A1 20040520 - GUO JAMES [US], et al
• US 2011259690 A1 20111027 - CLAYTON WESLEY [US]
• US 2012018472 A1 20120126 - TOTANI TSUTOMU [JP]
• VOLVO: "Writing pad - cab interior", VOLVO TRUCKS INDIA, 25 December 2012 (2012-12-25), XP055280151, Retrieved from the Internet <URL:http://www.volvotrucks.com/trucks/india-market/en-in/trucks/accessories/cab_interior/Pages/writing_pad.aspx>
• "Volvo FH/FM Accessories", VOLVO TRUCKS ON THE IRAN MARKET, September 2001 (2001-09-01), pages 1 - 24, XP055280148, Retrieved from the Internet <URL:http://www.volvotrucks.com/SiteCollectionDocuments/VTC/Iran/Trucks/Accessories/Accessories.pdf>
• "Volvo Trucks Accessories. Volvo FH and Volvo FH16", VOLVO TRUCKS ON THE ENGLISH MARKET, 2013, pages 1 - 39, XP055280146

Cited by
CN104859704A; CN106608212A; US2016325662A1; CN106114602A; US2020101885A1; US11247597B2; US10322682B2; US10144383B2; DE102019200709A1

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